

CONNECTICUT RIVER BASIN

01193500 SALMON RIVER NEAR EAST HAMPTON, CT--Continued

WATER-QUALITY RECORDS

PERIOD of RECORD.--September 1953, April 1954, October 1960 to September 1961, June 1968 to current year.

PERIOD of DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1975 to September 1993.

pH: December 1984 to September 1992.

WATER TEMPERATURES: March 1975 to April 1993.

DISSOLVED OXYGEN: January 1985 to September 1992.

SUSPENDED-SEDIMENT DISCHARGE: January 1982 to September 1986, October 1987 to September 1990.

INSTANTANEOUS SUSPENDED-SEDIMENT DISCHARGE: March 1987 to September 1987.

INSTRUMENTATION.--Water-quality 2-channel mini-monitor March 1975 to September 1984, August 1993 to September 1993.

Water-quality 4-channel mini-monitor October 1984 to April 1993.

EXTREMES FOR PERIOD of DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 257 microsiemens Jan. 1, 1990; minimum, 23 microsiemens February 23, 1978.

pH: Maximum, 8.8 units Oct. 14, 1985, Aug. 9, 18, 19, 1987; minimum 6.2 units Dec. 19, 1986, Jan. 24, March 13, Sept. 30, 1992.

WATER TEMPERATURES: Maximum, 32.0°C Aug. 2, 1975; minimum, 0.0°C on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 17.1 mg/L March 9, 1986; minimum 0.2 mg/L Dec. 3, 1986.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 3,870 mg/L June 6, 1982; minimum daily mean, 0 mg/L on numerous days.

SEDIMENT LOADS: Maximum daily, 95,400 tons June 6, 1982; minimum daily, 0 tons on numerous days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

| | | DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061) | SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095) | PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400) | TEMPER- ATURE AIR (DEG C) (00020) | TEMPER- ATURE WATER (DEG C) (00010) | TUR- BID- ITY (NTU) (00076) | OXYGEN, DIS- SOLVED (MG/L) (00300) | OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301) | FECAL COLI- FORM, MFC MF, WATER (COL/ 100 ML) (31616) | ENTERO- COCCI, MEI MF, WATER (COL/ 100 ML) (90909) | HARD- NESS TOTAL (MG/L AS CACO3) (00900) | CALCIUM DIS- SOLVED (MG/L AS CA) (00915) |
|--------------|--|--|---|--|--|--|--|--|---|--|---|---|--|
| OCT 11... | 0940 | 15 | 124 | 7.8 | 20.0 | 11.0 | 2.2 | 12.0 | 107 | 5k | 8k | 27 | 7.40 |
| JAN 24... | 0850 | 106 | 151 | 6.9 | 2.5 | .5 | 1.3 | 15.5 | 108 | 45 | 43 | 27 | 7.32 |
| APR 10... | 1315 | 133 | 113 | 7.2 | 18.5 | 14.0 | .84 | 10.5 | 76 | 7k | 9k | 21 | 5.58 |
| JUL 29... | 0930 | 48 | 109 | 7.3 | 31.0 | 21.0 | 4.2 | 8.9 | 101 | -- | --e | 21 | 5.74 |
| Date | MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925) | SODIUM, DIS- SOLVED (MG/L AS NA) (00930) | POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935) | CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452) | BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453) | ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086) | SULFATE DIS- SOLVED (MG/L AS SO4) (00945) | CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940) | FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950) | SILICA, DIS- SOLVED (MG/L AS SiO2) (00955) | SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) | SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500) | NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) |
| | OCT 11... | 2.08 | 11.6 | 2.20 | 0 | 17 | 14 | 9.5 | 20.3 | <.1 | 10.3 | 82 | 74 |
| JAN 24... | 2.16 | 14.3 | 2.00 | 0 | 13 | 11 | 11.7 | 27.4 | <.1 | 9.98 | 94 | 98 | <.008 |
| APR 10... | 1.67 | 9.98 | 1.59 | 0 | 11 | 9 | 10.1 | 17.2 | E.1n | 5.34 | 70 | 70 | <.008 |
| JUL 29... | 1.67 | 9.74 | 2.12 | 0 | 17 | 14 | 7.0 | 16.0 | <.1 | 7.70 | 69 | 49 | E.005 |
| Date | NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) | NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) | NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) | NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) | NITRO- GEN, TOTAL (MG/L AS N) (00600) | PHOS- PHORUS TOTAL (MG/L AS P) (00665) | PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666) | ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671) | ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106) | ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095) | BARIUM, DIS- SOLVED (UG/L AS BA) (01005) | BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010) | CADMIUM DIS- SOLVED (UG/L AS CD) (01025) |
| | OCT 11... | .05 | <.04 | .21 | .16 | .26 | .009 | E.003 | <.02 | 8 | <.05 | 8 | <.06 |
| JAN 24... | .29 | <.04 | .24 | .15 | .53 | .009 | E.004 | <.02 | 16 | E.04 | 9 | <.06 | <.04 |
| APR 10... | .14 | <.04 | .20 | .16 | .34 | .008 | .005 | <.02 | 21 | .07 | 8 | <.06 | <.04 |
| JUL 29... | .26 | <.04 | .30 | .18 | .56 | .023 | .007 | <.02 | 18 | .11 | 8 | <.06 | <.04 |

01193500 SALMON RIVER NEAR EAST HAMPTON, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

| Date | CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030) | COBALT, DIS- SOLVED (UG/L AS CO) (01035) | COPPER, DIS- SOLVED (UG/L AS CU) (01040) | IRON, DIS- SOLVED (UG/L AS FE) (01046) | LEAD, DIS- SOLVED (UG/L AS PB) (01049) | MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056) | MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060) | NICKEL, DIS- SOLVED (UG/L AS NI) (01065) | SILVER, DIS- SOLVED (UG/L AS AG) (01075) | ZINC, DIS- SOLVED (UG/L AS ZN) (01090) | URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703) | CARBON, ORGANIC TOTAL (MG/L AS C) (00680) |
|--------------|--|---|---|---|---|---|--|---|---|---|---|--|
| OCT 11... | <.8 | .05 | .7 | 54 | <.08 | 4.1 | <.2 | .37 | <1 | 1 | .02 | 3.3 |
| JAN 24... | <.8 | .09 | .3 | 99 | .11 | 10.9 | <.2 | .61 | <1 | 2 | .03 | 3.3 |
| APR 10... | <.8 | .08 | .5 | 78 | .10 | 6.6 | <.2 | .58 | <1 | 1 | .03 | 3.3 |
| JUL 29... | <.8 | .04 | .6 | 106 | .12 | 7.8 | <.2 | .76 | <1 | <1 | .02 | 4.6 |

Value qualifier codes used in this report:

k -- Counts outside acceptable range
n -- Below the NDV

Null value qualifier codes used in this report:

e -- Required equipment not functional/avail